

Richard L. Bruner CHAIR

Kathleen Kohorst Kelly Dolan Lange Timothy L. Lapointe Robert F. Holz Mary Mosiman Robert von Wolffradt

Philip Groner, Acting Executive Director

Governor Kim Reynolds

Lt. Governor Adam Gregg

Iowa Telecommunications & Technology Commission Grimes State Office Building, 1st Floor 400 E. 14th Street, Des Moines, IA 50319 FINAL January 18, 2018

To ensure the most efficient use of State resources, the January 18, 2018 ITTC meeting was held via video conference pursuant to lowa Code section 21.8. A video conference also ensured more Commissioners were able to participate in the meeting and reduced the risk of delays caused by weather or other impediments to travel. The meeting was accessible to members of the public through attendance at the Grimes State Office Building.

• Roll Call:

Commissioners Present.

Richard Bruner, Chair (on-site)
Kelly Dolan Lange, Member (on-site)
Kathleen Kohorst, Member (on-site)
Bob Holz, Member (on-site)
Timothy Lapointe, Member (on-site)
Robert von Wolffradt, Ex-Officio (PEXIP video/phone)
Mary Mosiman, Ex-Officio (on-site)

• Iowa Communications Network Staff Present:

Phil Groner, Acting Executive Director
Deb Evans, Agency Division Administrator
Mark Johnson, Chief Administration Officer
Randy Goddard, Business Services Officer
Mike Cruise, Finance Services Officer
Dave Marley, Field Services Officer
Ryan Mulhall, Security Services Officer, Jekard Operations Officer
Jontell Harris, Executive Officer 2

Guest Attendees Present:

Ray Warner, Aureon
Caitlin Jarzen, Iowa Communications Alliance (ICA)

• Call to Order:

 Chair Bruner called the meeting to order at 10:30 AM. It was noted that a quorum of members was present for the meeting.

Approval of the December 21, 2017 Meeting Minutes:

 Chair Bruner requested a motion to approve the December 21, 2017 meeting minutes. Commissioner Kohorst moved to approve the minutes. Commissioner Lange seconded the motion. The motion passed unanimously.

> Commissioner Holz – Yes Commissioner Kohorst – Yes Commissioner Lange – Yes Commissioner Lapointe – Yes Commissioner Bruner – Yes

New Business:

Agency Updates

■ Agency Division Update - Deb Evans

Randy Goddard and Ryan Mulhall are working on an application for a state Homeland Security and Emergency Management (HSEMD) grant. Goddard, previously employed at HSEMD, informed the ICN of the grant opportunity. The Department of Transportation (DOT) is currently making modifications to the contract and providing feedback. With the contract, the DOT will take advantage of ICN's professional services that are already provided with outside fiber plant, network engineers and operations to allow for the repurposing of vacant positions to focus on the technical specifications necessary for the future of intelligent traffic systems. ICN has experienced an increase in calls due to the reduction of voice rates. This has also spurred an increase in inmate calling and the Department of Corrections (DOC) has asked for additional trunks to handle the call volume. Trunking is a method for a system to provide network access to many clients by sharing a set of lines or frequencies instead of providing them individually. Responses to the Local Exchange Carrier (LEC) RFP, which was issued by the ICN are due January 19, 2018 after a deadline extension of two weeks. The evaluation process will begin right away. The E-Rate window for 471 awards will close on March 22, 2018. Form 470 has to be open for at least 28 days prior to the award so filing must be done by February 23, 2018. To date, the ICN has seen over 600-470 opportunities. Last year there were a total of 2,100 filed by schools and libraries during the E-Rate period. The ICN believes that part of the reason that applications decreased

this year is due to voice services being phased out of the program. Last fiscal year, revenue earned from Universal Service Administrative Company (USAC) was \$7,136,500.

BRUNER: Will that revenue decrease as a result?

EVANS: It shouldn't. We have several voice services, however, voice services have almost been phased out over the last four years. ICN video services have also been reduced. ICN revenue includes both hospitals and education. USAC funding is mostly used for internet services.

KOHORST: What is the HSEMD grant amount and what is it for?

MULHALL: A meeting took place with a representative of Federal Emergency Management Agency (FEMA) and the ICN was informed of federal government grant opportunities for cyber security initiatives being funneled through the states. It is an HSEMD grant program which provides funds to agencies or local entities. The ICN has requested \$4.4 million for five specific categories that HSEMD provides funding for and gives prioritization to including cyber security and operational communications. ICN believes that it fits the criteria.

MOSIMAN: Is a state match required?

GODDARD: HSEMD is provided with two grants annually, the Emergency Management Performance Grant (EMPG) and the State Homeland Security Grant Program (SHGP). Those are two major grants that are used to support HSEMD as well as county governments and local emergencies. The office of the Chief Information Officer (CIO) has received a portion of the SHGP funding in previous years. The ICN would apply for the SHGP. The grant varies depending on how much the federal government allots to each state. The grant is also used to fund special teams such as Hazmat teams, search and rescue teams as well as several cyber security initiatives. The grant was originally \$30-\$40 million and was a result of the September 11 tragedies. Iowa receives approximately \$5 million each year. It is recommended to submit multiple grant applications scaled from \$100,000 to \$1 million, giving the opportunity for HSEMD to fit the request into their budget during the evaluation process.

EVANS: There is no match though?

GODDARD: There is no match.

■ Financial Report - Mike Cruise

In review of the December Fiscal Year 2018 Budget-to-Actual – lowa Communications Network Month of December Actual Revenues and Expenses, the month of December contributed a positive operating margin of \$451,320 or 16.1%. Compared to November, there were no improvements realized in voice, transport and outside plant. The report on the "lowa Communications Network Month of December Year-to-Date Revenues and Expenses" reflects a year-to-date operating margin of -\$1.95 million and -12.6%, which was within 1.5% of the budget through December. The improvements from November are due to \$242,000 increase in revenue, \$575,000 drop in direct expenses and \$300,000 decrease in indirect expenses. There were no unusual events to report for the month.

BRUNER: We're closing the gap.

ICN Carrier Updates

Carrier Division Update - Mark Johnson

The ICN has installed a new Aruba wireless platform for internal use. It provides a needed level of network security and replaces an existing system that was end-of-life. The ICN is continuing work on the core upgrade and is moving forward with replacing layer three devices, which are routers within the network. This is a phased project and 10 sites have been identified. The first 10 will be completed in conjunction with the power and 911 upgrades. This will facilitate the ability to keep those projects moving forward while simultaneously working with the core upgrade and replacing routers. The ICN is moving forward with core upgrades in areas where power is sufficient and replacing power generation is not necessary. The ICN is continuing to work with HSEMD, creating a network design for wire-lined services related to the first phase of the E-911 project. The design will consist of five different locations that are located in various Local Access and Transport Areas (LATAs). LATAs defines a technological term for a geographical area within the state. There are five geographical locations where wire-lined services need to be identified and designed. Until the completion of the transition to Managed Voice Services (MVS), another \$500,000-\$600,000 will be invested to upgrade the HiPath 4K and OSV Voice platform. This will hopefully be the last investment in those platforms until the transition to MVS is completed. SP-43 is a hut location where equipment related to the network is located. The hut is located at the interchange of I-80, I-380 and US 218. The DOT is implementing a project to rebuild the interchange area and the ICN has a facility there that is approximately 25 years old and rapidly deteriorating. The facility needs to be replaced and as a part of the ongoing relationship, the DOT and ICN will design a new facility. The DOT will pay for the relocation of the fiber and cabling. In return, the DOT will have space within the facility for their use. It is a joint project that is critical for the ICN. It will provide greater geographic diversity and redundancy for the network and will increase the ability to provide disaster recovery and colocation services to ICN users. The replacement of the hut facility will need to be completed by Fall of 2018.

GRONER: Mark, will you address the budget for this project to give the Commissioners an idea of how significant SP-43 is for the ICN network?

JOHNSON: I will defer to the ICN Chief Financial Officer (CFO), Deb Evans.

EVANS: The budget for SP-43 is \$1 million because it is for disaster recovery. It is eight inches of concrete where most huts are made of wood. The cost will be approximately \$342,000 but this will also be a major part of the core upgrade. It will be a capital expense and was included in the budget. The cost will be spread over six months.

BRUNER: Anything else Mark?

JOHNSON: Dave Marley, Field Services Officer, is working to reconfigure the Network Operations Center (NOC) at the Joint Forces Headquarters (JFHQ). The screens located in the Cyber Security area at the Grimes State Office Building will be relocated to the NOC at JFHQ where they will be put to better use. The technicians at JFHQ began using ServiceNow on January 1, 2018.

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LAPOINTE: For clarification, are any of the mentioned expenses required to be approved by the Commission or legislature at this time?

JOHNSON: No. These expenses are all under existing agreements with DOT and HSEMD, therefore, will not involve the contract cap limitation.

LAPOINTE: Thank you.

BRUNER: Good report, Mark. Thank you.

■ Jekard Update - Ryan Mulhall

The initial capability of ServiceNow was launched across the organization on January 1, 2018. Overall, the launch went as expected. The ICN Away Team was quick to partner with Aeritae to work on resolving any issues. Over 50 enhancement requests have been captured so far from users as well as internally. There are still two delayed workflows that need to be implemented for data circuits and high speed internet order processes. Since the launch, 424 incidents have been opened, 361 requests, 80 changes and 21 problems have been submitted through the system. Customers and employees are using the system and becoming acclimated. As an organization, ServiceNow has had an impact on several areas, the NOC and business services specifically as the bureaus are adjusting and learning the new tool. The bureaus are also changing the way work is completed as well as categorizing incidents, changes, problems and requests. The organization is moving toward Information Technology Infrastructure Library (ITIL), which is an industry standard for how to process trouble tickets. The ServiceNow project is also the organization's first time utilizin the agile project management methodology compared to the common waterfall project management style that has historically been used at the ICN. New security products will be offered within the next weeks. At the last Commission meeting, Commissioner Holz asked about ICN services and inquired if the ICN is identifying ways to assist in breach situations like the recent incident in Johnston. ICN has partnered with Pratum for a security monitoring project as well as an incident response and forensics project. The services will be offered soon.

BRUNER: This is a big deal for customers and the ICN. Please pass along appreciation from the Commission.

GRONER: Several issues are still being addressed following the January 1 launch. There will be maintenance items that the ICN will need to maintain, however, Aeritae was notified that the ICN is going to postpone any further development work. The ICN will issue an Intent to Bid (ITB) to acquire consulting services for the remaining portion of Jekard. A vendor will be selected for the next piece/phase of the project which will most likely be incorporating more engineering data into ServiceNow. The ITB will be issued in the next few weeks and the procurement process will begin. Aeritae will continue to be engaged for maintenance services. The plan is that ICN will get to the point to self-maintain ServiceNow. ICN does have administrators, however, additional technical abilities will be needed for maintenance items such as updates that come from ServiceNow, implementing those updates into the system, configuration effects, and troubleshooting issues.

Other Business:

■ Legislative Update - Mark Johnson

Legislative session has begun. Legislators are focusing on budget issues to begin the year. There are other issues being discussed but the budget will be at the forefront to work on the current year and also begin the discussion for the budget for next fiscal year. ICN legislative initiatives were not approved to move forward initially. One of those issues was the contract cap limitation that was involved with the Aeritae contract. That language is not necessary now given that the ICN will now limit the expense and move forward with an ITB. Mark Johnson was contactacted by several entities involved with the Educational Telecommunications Council (ETC)/Regional Telecommunications Councils (RTC). The organizations are deciding whether or not the ETC and RTC language can be eliminated from Chapter 8D of the Code of Iowa. The language was put into the code for education purposes when the network was created. ICN will be available to support and answer questions. With the release of the ICN audit, meetings are being established with legislative leadership. Traditionally meetings are scheduled with leadership from all four caucuses to discuss ICN initiatives. Now meetings are being established to respond to questions related to the audit and to provide updates on initiatives such as the partnership with DOT, the 911 contract and the security services being offered to customers.

GRONER: Mark, will you provide an update on HSEMD 911 and why that is important to the ICN?

JOHNSON: HSEMD has legislation that relates to the 911 process and is requesting funding for that. The legislation has an immediate effective date so once the bill is passed, HSEMD can begin working in earnest and the ICN can begin work as well to move the project forward. The ICN is working with John Benson, HSEMD Legislative Liaison, and will support with providing information that may be requested by the legislature.

BRUNER: So the ICN will be in a supportive role?

JOHNSON: Yes.

GRONER: The two networks, wire-lined and wireless, cannot move forward until HSEMD gets its code changed. ICN is preparing in terms of design and procurement items that will be needed to go out for bid. The ICN will proceed once the bill is approved.

BRUNER: Good. Thank you.

■ ICN Audit - Commission

BRUNER: The ICN was created 25 years ago at the end of the legislative session. The ICN's 25 year anniversary is coming up within the next few months.

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Commissioners received copies of the ICN audit and it will be made public. The audit staff was very professional and thorough. The ICN staff who worked with the auditors staff are to be commended. Information was provided in a timely manner. The issue with the semi-trailers was discovered about four days following Ric Lumbard's heart attack. The auditors were immediately made aware. Mr. Lumbard took advantage of the Commissioners trust. The Commission was aware of the trailers but were not aware of many of the reportings detailed in the audit. Commissioner Bruner reported that he felt personally responsible for not being aware in advance. It is unknown if there have been other similar situations in state government but it is a sad situation for the Commission and the ICN. A number of corrections are being made to address the weaknesses detailed in the audit. ICN management has done a great job but there is more work to be done. Safeguards will need to be put in place to prevent future situations. Phil Groner was asked to detail the changes being made.

GRONER: The following safeguards were implemented within the last six months:

- ICN now requires two signatures for the procurement vehicle called sole source contracts. It requires the Executive Director's signature as well as the CFOs signature.
- Projects were terminated with two vendors listed in the ICN audit, SpeakPR and Character Genetics.
- The travel coordination that had been previously moved to the Executive Director's office has been moved back to the Finance bureau. It had been moved to the Executive Secretary in late 2016. Travel for all staff members is now coordinated and purchased by the Finance bureau. Travel reimbursement for the Executive Director now requires a signature from the CFO. Previously, there was no policy in place regarding travel reimbursement authorization for the Executive Director. Deb Evans has also added a step in the I3 process requiring CFO approval for Executive Director travel. I3 is the state's accounting system.
- Leadership and Executive Team staff do not possess travel or purchase cards. The contracting
 and procurement department, Finance department, warehouse staff and some members of the
 Outside Plant team have been issued procurement cards.
- Position reclassifications have been stopped. Mark Johnson has been made the interim Division
 Director for the Carrier Division. No promotion or job reclassification is necessary. The change is
 simply in title and the duties align with the work being done for the last six months. There are no
 new HR requests for reclassifications. The contract Account Consultant position has been
 terminated. September was the last month of the contract. The temporary Administrative
 Assistant position has also been terminated.
- The ICN grievance process has been updated to align with the State of Iowa grievance process. The Executive Secretary has been removed from that process.

The ICN Management Team continues to solicit feedback from the Commission in terms of a notification process regarding large contracts. Contracts range from small amounts such as \$5,000 to very large amounts such as the Fiber Network Services (FNS) contract as the network's maintenance provider. The ICN would like to improve controls and implement new policies and procedures based on the recommendations detailed in the audit.

BRUNER: The employees listed in the audit have been removed from the state payroll. Ric Lumbard's last day was January 4, 2018. Jessica Jenson and TJ Boulet's last day was January 2, 2018.

KOHORST: The controls that have been put into place are appreciated. The Commission has discovered what happens when absolute trust is put into someone. Open communication is very important. The more

information that the Commission receives, the better. The Commission would be in favor of reviewing \$50,000 contracts. The Commission is happy to be involved and cares about the ICN.

JOHNSON: To clarify, would the Commission prefer to see the contracts or a listing of costs?

KOHORST: The Commission does not need to review the complete contract but would appreciate being made aware of the amounts in case there are questions. Without the knowledge, the Commission would not know what to ask for.

EVANS: The Contracting Division maintains an up-to-date list of all active contracts by vendor and contract number. This list can be made available to the Commission. The term of the contract is also important information.

KOHORST: That would be great.

LANGE: It is obvious that the actions listed in the audit had been going on for some time. Prior to six months ago, was anyone alerted to the issues prior to the trailers?

BRUNER: This was the first time that I felt something was wrong.

GRONER: As the audit points out, there were many incidents where management decision was called into question by other members of the Leadership and Executive Team. Leadership may have disagreed with decisions, however, ultimately many decisions were under the purview of the Executive Director. Prior to the issues with the equipment and the procurement of the trailers, attention was not called to anyone outside of the ICN. That type of activity raised to the level of suspicious and was taken to the Auditor's Office.

LANGE: Thank you.

LAPOINTE: Several years ago the Commission discussed contracts that require legislative approval. Was that contract cap increased?

JOHNSON: The cap originally started at \$500,000 then increased to \$1 million and there has been another increase since. An escalator was added so that each year, based upon a CPI measure, there is an adjustment made to the contract limitation. Currently, the limitation is \$2.2 million when approval from the legislature is still necessary.

LAPOINTE: Contracts have been more readily agreed upon because legislative approval was not required but reports on the contracts were made. Contracts under the legislative cap should require feedback from the Commission regularly. The Commission has been based on trust for decades. Commissioner Lapointe has served on the ITTC for 18.5 years and feels that the actions of a rogue former Executive Director who did things inappropriately and in private cannot be a reflection of the Commission. When ICN staff was aware of inappropriate happenings, Chairman Bruner was promptly notified then the full Commission was notified. Commissioner Lapointe stated that he took issue with the audit stating that the Commissioners had not given proper oversight. The Commission meets every month with stellar attendance, partly because the unique opportunity to attend by video through the ICN. Commissioner Lapointe stated that the ITTC has a long history of bipartisan and unbiased work for the citizens of lowa and the agencies that are served. Stipends make for better representation on the board

and the Commission is grateful and works hard for the stipends. Attorney's, teachers and high quality business leaders have served on the Commission. Chair Bruner has done a stellar job, understands the inner workings of the ICN network and has led the ICN through many transitions. The ICN has always risen to the occasion. The ICN management team has also done a stellar job. Commissioner Lapointe stated that a formal motion needed to be made to formally confirm Phil Groner as the Acting Executive Director. The multiyear network managed services contract with FNS was discussed with the Commission but a vote was not required. The Commission was not made aware of any issues with the contract. Commissioner Lapointe reiterated that the ITTC has an open door policy and can be reached at anytime. He commended the Auditor's staff for the thoroughness of the audit report. He stated that his trust was broken with what he read in the report and though Ric Lumbard was a visionary and led the ICN through tough times, his actions could not be condoned. Commissioner Lapointe commended Phil Groner for the way he has handled himself and the organization in his interim position.

GRONER: The ICN worked hand in hand with the Auditor's office. The organization was open and accommodating. The professionalism of the Auditor's Office was appreciated.

 Commissioner Lapointe moved that Phil Groner be designated the Acting Executive Director of the ICN, beginning July 2017 due to the motion not being reflected in past meeting minutes.
 Commissioner Kohorst seconded the motion. The motion passed unanimously.

> Commissioner Holz – Yes Commissioner Kohorst – Yes Commissioner Lange – Yes Commissioner Lapointe – Yes Commissioner Bruner – Yes

GRONER: Clarification was made that Mr. Lumbard did put a succession plan in place that stated that Phil Groner would be interim-director should something happen. There is also language in the job description that states that Public Service Executive (PSE) job classifications can perform duties in place of the director if necessary.

LAPOINTE: It wasn't blind trust that was put into Mr. Lumbard. The Commission has a multitude of safeguards put into place that not every agency or Commission has. The ITTC has the State Auditor as an Ex-Officio member. That is an incredible safeguard and it is taken seriously. The bipartisan nature, the quality of the Commissioners, all of the requirements of 8D of the lowa Code as well of the procurement requirements are onerous and not flexible. The staff has done a great job of reporting on a regular basis. The Commission can be improved but is in great hands going forward.

BRUNER: Thank you Commissioner Lapointe.

HOLZ: Commissioner Holz stated that he is new to the ITTC but has 50 years of experience with Board of Director entities. It is important to note the customer experience as well as the types of services and processes the ICN has to provide. The customers have not been impacted and their experience has been unchanged. The ICN has continued the development of services and has moved ahead with advancing the services that the organization is intended to provide. The false missile alert in Hawaii can be used as an example in this situation. It was a wake-up call to improve security procedures. The audit

report is a wake-up call to the Commission. The recommendations outlined in the report should be considered. The ICN has continued to upgrade services and will now improve internal processes.

BRUNER: Good analogy. It is a wake-up call. The ITTC will have to respond very specifically.

HOLZ: It is a very unfortunate wake-up call.

MOSIMAN: Being State Auditor for over four years, Auditor Mosiman attested that if someone wants to perpetrate financial irregularities, they can and will. Controls can be circumvented. ICN is not alone in that regard, to feel that control has been circumvented or something has happened outside of the organization's knowledge. That does take place. The level of care, expertise, knowledge and talent of the ICN members is amazing. The organization is impressive which also comes from the Commission members and their commitment. After receiving regular updates during the audit process, it was very clear that the Commission needs to provide more oversight. Several Commissioners were not aware of the commuting arrangement and the leadership retreats until updates were provided after the fact. The ITTC was not involved in the decision making. The Commission members have a duty based on the Code of Iowa, to provide oversight over management. It is important that the Commission discuss what this means going forward. The ICN impacts schools, public safety and so many people depend on the services provided but oversight and reporting needs to be improved. There is an open door policy but that may not have been well known during the timeframe of the audit review. If someone can use their position and exercise undue influence, that is a concern. The Commission cannot function as an advisory board. It must be an independent, stand-alone board in order to maintain common carrier status. This process has been painful and will draw media attention. The Commission and ICN can turn this into a positive experience.

BRUNER: You were put in a tough spot, Auditor Mosiman.

MOSIMAN: That is why the State Auditor is made a member of the Commission. It is the Auditor's job to make a strong recommendation.

LAPOINTE: I appreciate your professionalism.

BRUNER: Is there any other conversation regarding the ICN audit? The next step is to handle phone calls and requests.

LAPOINTE: The Commission should consider pairing up with staff members individually to assign duties or create subcommittees as has been done in the past. The ITTC and ICN employees should work together.

BRUNER: That suggestion will definitely be considered as the ITTC reviews the control and procedural recommendations.

LAPOINTE: When there has been a crisis, the Commission has played an active role.

BRUNER: Auditor Mosiman was very helpful during the ICN sale/lease process. She provided very helpful insight into state government accounting methods.

GRONER: Thank you to the Commission for all of the assistance and guidance. Thank you to Deb Evans, Mark Johnson, and the entire leadership team for the assistance over the last six months. The staff has worked very hard and has continued to serve customers and reform jobs/roles to insure that the network is running. It has been made clear that any staff member can contact the Commission directly. The Commission should also feel free to contact staff members. A response has been prepared for media requests:

"As soon as ICN leadership was made aware of suspicious activity, the Auditor's Office, Attorney General's Office and Governor's Office were contacted. ICN leadership was cooperative with the investigation, open and provided all information that was requested. It is believed that the activity outlined in the audit was isolated to the actions of the former Executive Director, who is no longer employed by the State of Iowa. Those actions fall short of what is expected of public service employees as well as the standards set for the organization. In the past six months, the ICN has proactively put into place and reinstated numerous new measures that put additional controls on procurement and HR matters. These safeguards should prevent unacceptable behavior. The ICN is looking forward to working with the Auditor's Office for further action and has always provided quality and affordable telecommunications/broadband services to authorized users - education, state/federal government, hospitals, clinics. libraries and public safety. The organization will continue to provide quality services."

LAPOINTE: A letter should also be formalized from the Commission and staff. We have a unique opportunity with the Auditor on the Commission. If there are further safeguards that should be put in place, the Commission will need those recommendations. It would be helpful to see what other agencies with oversight responsibilities do in comparison.

MOSIMAN: There are very few boards like the ITTC. Most boards act in an advisory capacity.

LAPOINTE: The ITTC is different due to common carrier requirements.

BRUNER: That is the key.

HOLZ: I have always considered the ITTC to be the Board of Directors of the ICN in connection with the communications requirements. The ITTC is the board of a very large communications entity. There are other entities that provide similar services, but this board oversees the services provided by the ICN.

BRUNER: The ICN has made very conscious efforts to reach out to independent telecommunications providers in the state to be as helpful and proactive as possible. FirstNet was a good example, where five Public Private Partnership summits were held in attempt to provide information on FirstNet and how organizations could participate. Organizations were asked to send ICN their interest and the information was forwarded to the FirstNet primary vendor, AT&T. The ICN has worked hard to get the industry involved for years to change the perception of the ICN.

LAPOINTE: Efforts have been made behind the scenes in working with organizations such as the lowa Communications Alliance (ICA). Without those efforts, the ICN would not have been able to progress. Relationships have been fostered with numerous competing industries which is not required, but is good for the network and the State of Iowa.

Adjournment:		
Commissioner Kohorst mov	ed that the meeting be adjourned.	The ITTC meeting adjourned at 11:49 AM.
ATTESTED TO:		
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Ric	hard Bruner, Chair, Iowa Teleco	mmunications and Technology Commiss
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